

mill[®]

Series:
Instant 
Convection
heater

Assembly and instruction manual



EN

This product is only suitable for well insulated spaces or occasional use.

Please read the instructions carefully before use.
Take good care of this manual for later use.





Thanks for buying Mill

Our company was founded in Norway in 1992 by Cato Bryn, specializing in distribution of oil filled radiators and other types of heaters. From 1992 to 2009, we had gained significant knowledge and expertise of different type of heaters, thus enabling us to sell to many of the largest retailers in the Nordic countries.

In 2010, Cato's son, Philip joined the company. Philip looked at the heating industry with fresh new eyes and wondered why there had been so little change with the appearance of portable heaters in the last 20 years, especially since interior design in general had changed dramatically over the years. Philip thought consumers should have more styles to choose from other than the typical old-fashioned, traditional heaters.

Since heaters are part of so many homes, Philip and Cato decided to use their extensive knowledge to re-invent the design of heaters. They wanted to create beautiful, modern and minimalistic heaters, using the most advanced technology, that would complement people's homes. They launched the brand "Mill" in 2012.

Mill offers revolutionary, innovative Norwegian designs. We are continuously innovating to complement our line of products to meet consumers' demand.

Prospering on our success in the Nordics we decided to promote Mill at some of the world's largest electronic fairs and home shows in 2015 and 2016 - the feedback from retailers and distributors all over the world were amazing. We are proud to say that consumers in over 25 countries can now **keep warm with style!**

Follow us on social media:



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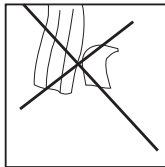
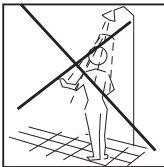
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**Please read the instructions carefully before use.
Take good care of this manual for later use.**



**STORE THIS INSTRUCTION
MANUAL FOR FUTURE USE!
NEVER TOUCH YOUR HEATER OR ITS
CASING WITH WET HANDS!**



**IN ORDER TO AVOID OVERHEATING,
DO NOT COVER THE HEATER.**



Important safety information

You must obey common safety guidelines when using electrical products, especially in the presence of children.



WARNING! To avoid electric shock or damage due to the heat, always make sure the plug is pulled out before the heater is moved or cleaned.

READ THE INSTRUCTIONS CAREFULLY

- The product is intended for home use only.
- Make sure the heater is connected to the house's regular mains as indicated on the heater.
- New heaters will produce a specific odor when used the first time. This will stop after a short time and is completely harmless.
- Check for any pieces of packing foam or cardboard that may have fallen into the heating elements of the heater. These pieces must be removed to avoid unpleasant odors.
- Prevent the heater from overheating – **do not cover.**
- Always turn off the heater and unplug it when not used for a long period of time.
- Pay special attention if the heater is used in rooms where children, the handicapped or elderly reside.
- The heater should not be set up directly beneath an electrical socket outlet.
- The cord must not be laid under any kind of carpet. Make sure the cord is laid in such a way that nobody can trip on it.
- The heater must not be used if either the cord or plug is damaged.
- The heater must not be used if it has been dropped on the floor or is damaged in any other way causing it to malfunction.
- The cord must be repaired by the manufacturer or by an expert if it has been damaged, to avoid dangerous situations.
- Avoid using extension cords, which may overheat and could possibly start a fire.
- Never cover the air vents on the heater. Avoid potential fire hazards by making sure the air intakes are not blocked or covered. The heater should be used in rooms with normal flat floors.
- The heater should not be installed in close proximity to flammable materials of any kind because there can always be



- a risk of fire.
- The heater must never be used in rooms where gasoline, paint or other flammable liquids are stored, such as in a garage.
 - Never touch an electric heater with wet hands. The heater should be installed so a person showering or taking a bath cannot come into direct contact with it.
 - Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.
 - The heater must be switched off, the plug removed and the heater must cool down before it is moved.
 - Avoid overloading the mains (the circuit) where the heater is connected. The heater may overload the electrical circuit if other electrical devices are plugged into the same socket outlet.
 - Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.
 - The product cannot be used by children under 8 years of age and persons with reduced physical or mental abilities or lack of experience and knowledge unless they have been given supervision or instruction in the safe use of the product and understand the hazards involved.
 - Children should not play with the product. Cleaning and maintenance should not be done by unsupervised children.
 - Children under the age of 3 should be kept away from the product, unless they are under constant supervision.
 - Children aged 3 to 8 years are only permitted to turn the product ON/OFF, assuming the heater is mounted according to the assembly instructions and the children have received instruction or supervision in the safe use of the product and understand the hazards involved.
 - Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.



Specifications

Model	Thermostat	Color	Amperage	Power (W)	Fan
SG2000MEC	Mechanical	White	220-240V~, 50-60Hz	1800-2000	No
SG2000LED	Electronic	White	220-240V~, 50-60Hz	1800-2000	Yes
SG2000GLASS	Electronic	White	220-240V~, 50-60Hz	1800-2000	Yes
SG2000LED BLACK	Electronic	Black	220-240V~, 50-60Hz	1800-2000	Yes
CO2200MECMAX	Mechanical	White	220-240V~, 50-60Hz	1900-2200	No
CO2200LEDMAX	Electronic	White	220-240V~, 50-60Hz	1900-2200	No

Before first use

After unpacking the heater, check to make sure the product was not damaged during transport. Contact the retailer or importer if you discover any visible damages to the product.

Keep the outer packaging to transport the heater in the future. If you want to dispose the packaging, make sure it is done properly. Keep plastic bags away from children.

First use

After turning on the heater for the first time or after an extended period without use, the heater can produce a burnt odor for a short time. This is normal.

Please read all the instructions carefully before use. Save the instruction manual for future use.

Description of heater

Please see table above for which models that have mechanical/electronic thermostats.

See figure 1 on separate illustration sheet

A and **B** Mechanical thermostat

1. Heat emission
2. Thermostat
3. Output selector
4. Legs (plastic)

C, **D** and **E** Electronic thermostat

1. Heat emission
2. LED display
3. Thermostat + output selector
4. Fan (does not apply to CO2200LEDMAX)
5. ON/OFF
6. Legs (aluminium)

WARNING! The heater must not be used if the glass panels are damaged (applies to SG2000GLASS only).

ATTENTION! This heater is only meant to be used as a supplementary heating source, and must not be used without supervision

Parts

See figure 2 on separate illustration sheet

A Mechanical Thermostat

- 4 screws (pre-mounted)
- 2 foot brackets
- 2 rails for the feet

B Electronic Thermostat

- 8 screws (pre-mounted)
- 2 foot brackets
- 2 rails for the feet

Assembly

See figure 3 on separate illustration sheet

A Mechanical Thermostat

1. Insert both legs into the brackets so you get a stable foot.
2. Remove the pre-mounted screws from the bottom of the heater and place the heater gently on its head to mount the feet.
3. Two screws must be fastened on each foot bracket.

4. NEVER USE THE HEATER BEFORE THE LEGS HAVE BEEN TIGHTLY SCREWED.

B Electronic Thermostat

1. Remove the pre-mounted screws on both legs before you insert them into the brackets, so that you get a stable foot.
2. Attach the legs to the brackets by tightening 2 screws into each bracket.
3. Remove the pre-mounted screws from the bottom of the heater and place the heater gently on its head to mount the feet.
4. Two screws must be fastened on each foot bracket.

5. NEVER USE THE HEATER BEFORE THE LEGS HAVE BEEN TIGHTLY SCREWED.

Instructions mechanical thermostat

Please see table on page 4 for which models that have mechanical thermostats

Control Panel

See figure 4 on separate illustration sheet

1. Thermostat: Adjust the desired heat setting
2. Output selector:

A SG2000MEC

- 0: OFF
- I: 750W
- II: 1250W
- III: 2000W

B CO2200MECMAX

- 0: OFF
- I: 1000W
- II: 1200W
- III: 2200W

WARNING! BE SURE THE FOOT IS FITTED CORRECTLY AND ACCORDING TO THE INSTRUCTIONS BEFORE USING THE HEATER!

ATTENTION! This heater is only meant to be used as a supplementary heating source, and must not be used without supervision



Usage mechanical thermostat

1. Set the output selector to the OFF position (0) and the thermostat to minimum. Plug the heater into a grounded outlet.
2. Set the output selector to position I, II or III. Turn the thermostat up to the maximum position. When the desired room temperature has been reached, turn the thermostat slowly down until you hear a click. The thermostat can now remain in this position until a different room temperature is desired. As soon as the room temperature falls below this level, the heater will automatically switch on again. When the room has again reached the desired temperature, the heater will switch off again.
3. If you wish to change the room temperature, repeat the instructions in step 2.
4. The heater has an overheat protection that turns the device off if any parts become extremely hot.
5. To switch the heater off, turn the output selector to the 0 position. If the heater will be left unused for a longer period of time, pull out the plug.

Instructions electronic thermostat

Please see table on page 4 for which models that have electronic thermostats.

Control panel

See figure 5 on separate illustration sheet


1. Thermostat, output selector and timer button (applies to CO2200LEDMAX only):
 - i. Turn the selector to the left to decrease the temperature, and turn the selector to the right to increase the temperature.
 - ii. Push the button to change the desired power level. 3 power levels.
 - iii. Press and hold the button for 3 seconds to activate the timer function, and choose number of hours 0-24 you wish to have the timer function activated.
2. Fan ON/OFF (does not apply to CO2200LEDMAX)
3. ON/OFF button
4. Power indicator — Shows whether the heater is using power or not
5. Indicates the output level
6. Indicates whether the fan is activated / timer indicator for CO2200LEDMAX
7. Desired room temperature
8. Standby indicator for CO2200LEDMAX

WARNING! BE SURE THE FOOT IS FITTED CORRECTLY AND ACCORDING TO THE INSTRUCTIONS BEFORE USING THE HEATER!

ATTENTION! This heater is only meant to be used as a supplementary heating source, and must not be used without supervision





Usage electronic thermostat

1. Plug the heater into a grounded outlet.
2. Press the ON/OFF button.
3. Choose the desired power I, II or III, by pressing the output selector. Turn the thermostat to the desired temperature while looking at the display. As soon as the room temperature drops below this level, the heater will automatically start again. When the room has reached the desired temperature again, the heater will turn itself off.
4. The thermostat goes from 5 to 35°C.
5. If you want to change the temperature in the room, repeat step 3.
6. Press the fan button to start the fan (does not apply to CO200LEDMAX). **Note that the fan is only active when the heater is heating up** (when the power indicator is on).
Timer function for CO200LEDMAX: Press and hold the timer button for 3 seconds to activate the timer function, 00 will appear in the display. Turn the timer button to select how many hours 0-24 you want the timer off, 0 means no timer function. After selecting the number of hours, press the timer button, or wait 15 seconds for automatic confirmation. The timer indicator will now light up. When the timer function is off, the heater goes to standby mode, the display shows OF and the standby indicator will light up.
7. The heater has an overheat protection that turns the device off if any parts become extremely hot.
8. If the temperature sensor is not functioning as it should,  will be shown on the display. In such instances, the heater will switch itself off. Please contact your distributor or importer.
9. To turn off the heater, press the ON/OFF button. Should the heater be left unused for a longer period of time, pull out the plug.

Temperature calibration SG2000LED/SG2000LED BLACK/SG2000GLASS

See figure 6 on separate illustration sheet



It may occur deviation between the temperature registered by the heater and the actual temperature in the room. This can be caused by several reasons, however, the most common is that the heater is placed in a fair distance from where you usually reside. When you set the temperature to for example 22 degrees, it is only natural that you expect the same temperature where your sofa is placed for instance. However, the temperature sensor is placed on the product itself, and therefore a deviation in temperature may occur. To adjust this, all Mill heaters are equipped with a calibration function, which enables you to adjust the temperature registered by the heater. N.B! The room must have achieved a stable temperature before any calibration.

Press and hold  for 5 seconds and use + or - to set the actual temperature observed in the room. Confirm with  or wait 15 seconds for automatic confirmation.



Resetting the heater

See figure 7 on separate illustration sheet

Turn off the heater's main switch. Press and hold  or  while you turn on the heater's main switch.


Maintenance

1. For cleaning, always unplug the heater and leave it to cool.
2. Wipe the heater regularly with a damp cloth and dry the surface before turning on the heater again.
3. The heater must be cleaned at least once a month during the heating season.
CAUTION! The heater should never be immersed in water.
Avoid using detergents to clean the heater.
Never let any water get inside the heater; this can be hazardous.
4. Dust etc. should be removed with a soft cloth.
5. The heater can be stored in a dry and clean place.
6. If the heater stops working, do not attempt to repair it yourself because it can cause a fire hazard and/or electric shock.

Warranty

The warranty is valid for 2 years. The heater will be repaired or replaced during this time should any malfunction occur. The warranty applies if the heater is used according to these instructions and the customer can present a purchase receipt. If the heater malfunctions in any way, please contact the store where it was purchased or the importer.

Waste disposal

The symbol  indicates that this product is not to be disposed of together with household waste. This product must be delivered to a recycling service or container for electrical appliances and electronic equipment. This is done to avoid health risks and prevent harm to the environment. Local businesses (or the environmental station in your neighborhood) are required by law to accept and recycle such products, as a means of environmentally sound disposal.

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Importer EU: Benross Marketing Ltd, Italeiei 1-2000 Antwerp Belgium.

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Seasonal energy efficiency

Information requirement for the electric local space heaters

Model identifier(s): SG2000MEC

Item	Symbol	Value	Unit	Item	Unit
Head Output				Type of heat input, for electric storage local space heaters only (select one)	
Nominal heat output	P _{nom}	1.8-2.0	kW	manual heat charge control, with integrated thermostat	No
Minimum heat output (indicative)	P _{min}	0,75	kW	manual heat charge control with room and/or outdoor temperature feedback	No
Maximum continuous heat output	P _{max,c}	2,00	kW	electronic heat charge control with room and/or outdoor temperature feedback	No
Auxiliary electricity consumption				fan assisted heat output	No
At nominal heat output	e _{lmax}	N/A	kW	Type of heat output/room temperature control (select one)	
At minimum heat output	e _{lmin}	N/A	kW	single stage heat output and no room temperature control	No
In standby mode	e _{lSB}	0,0	kW	two or more manual stages, no room temperature control	No
				with mechanic thermostat room temperature control	Yes
Seasonal space heating energy efficiency	η _s	36 %		with electronic room temperature control	No
				electronic room temperature control plus day timer	No
				electronic room temperature control plus week timer	No
				Other control options (multiple selections possible)	
				room temperature control, with presence detection	No
				room temperature control, with open window detection	No
				with distance control option	No
				with adaptive start control	No
				with working time limitation	No
				with black bulb sensor	No
Contact details	Mill International AS Grini Næringspark 10, 1361 Østerås, Norway				



Seasonal energy efficiency

Information requirement for the electric local space heaters

Model identifier(s): CO2200MECMAX

Item	Symbol	Value	Unit	Item	Unit
Head Output				Type of heat input, for electric storage local space heaters only (select one)	
Nominal heat output	P _{nom}	1,9-2,2	kW	manual heat charge control, with integrated thermostat	No
Minimum heat output (indicative)	P _{min}	1,0	kW	manual heat charge control with room and/or outdoor temperature feedback	No
Maximum continuous heat output	P _{max,c}	2,2	kW	electronic heat charge control with room and/or outdoor temperature feedback	No
Auxiliary electricity consumption				fan assisted heat output	No
At nominal heat output	e _{lmax}	N/A	kW	Type of heat output/room temperature control (select one)	
At minimum heat output	e _{lmin}	N/A	kW	single stage heat output and no room temperature control	No
In standby mode	e _{lSB}	0,0	kW	two or more manual stages, no room temperature control	No
				with mechanic thermostat room temperature control	Yes
Seasonal space heating energy efficiency	η _s	36 %		with electronic room temperature control	No
				electronic room temperature control plus day timer	No
				electronic room temperature control plus week timer	No
				Other control options (multiple selections possible)	
				room temperature control, with presence detection	No
				room temperature control, with open window detection	No
				with distance control option	No
				with adaptive start control	No
				with working time limitation	No
				with black bulb sensor	No
Contact details	Mill International AS Grini Næringspark 10, 1361 Østerås, Norway				



Seasonal energy efficiency

Information requirement for the electric local space heaters

Model identifier(s): SG2000LED, SG2000LED BLACK, SG2000GLASS

Item	Symbol	Value	Unit	Item	Unit
Head Output				Type of heat input, for electric storage local space heaters only (select one)	
Nominal heat output	P _{nom}	1.8-2.0	kW	manual heat charge control, with integrated thermostat	No
Minimum heat output (indicative)	P _{min}	0,75	kW	manual heat charge control with room and/or outdoor temperature feedback	No
Maximum continuous heat output	P _{max,c}	2,00	kW	electronic heat charge control with room and/or outdoor temperature feedback	No
Auxiliary electricity consumption				fan assisted heat output	No
At nominal heat output	el _{max}	N/A	kW	Type of heat output/room temperature control (select one)	
At minimum heat output	el _{min}	N/A	kW	single stage heat output and no room temperature control	No
In standby mode	el _{SB}	0,0	kW	two or more manual stages, no room temperature control	No
				with mechanic thermostat room temperature control	No
Seasonal space heating energy efficiency	η _s	37 %		with electronic room temperature control	Yes
				electronic room temperature control plus day timer	No
				electronic room temperature control plus week timer	No
				Other control options (multiple selections possible)	
				room temperature control, with presence detection	No
				room temperature control, with open window detection	No
				with distance control option	No
				with adaptive start control	No
				with working time limitation	No
				with black bulb sensor	No
Contact details	Mill International AS Grini Næringspark 10, 1361 Østerås, Norway				



Seasonal energy efficiency

Information requirement for the electric local space heaters

Model identifier(s): CO2200LEDMAX

Item	Symbol	Value	Unit	Item	Unit
Head Output				Type of heat input, for electric storage local space heaters only (select one)	
Nominal heat output	P _{nom}	1,9-2,2	kW	manual heat charge control, with integrated thermostat	No
Minimum heat output (indicative)	P _{min}	1,0	kW	manual heat charge control with room and/or outdoor temperature feedback	No
Maximum continuous heat output	P _{max,c}	2,2	kW	electronic heat charge control with room and/or outdoor temperature feedback	No
Auxiliary electricity consumption				fan assisted heat output	No
At nominal heat output	e _{lmax}	N/A	kW	Type of heat output/room temperature control (select one)	
At minimum heat output	e _{lmin}	N/A	kW	single stage heat output and no room temperature control	No
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				with mechanic thermostat room temperature control	No
Seasonal space heating energy efficiency	η _s	37%		with electronic room temperature control	Yes
				electronic room temperature control plus day timer	No
				electronic room temperature control plus week timer	No
				Other control options (multiple selections possible)	
				room temperature control, with presence detection	No
				room temperature control, with open window detection	No
				with distance control option	No
				with adaptive start control	No
				with working time limitation	No
				with black bulb sensor	No
Contact details	Mill International AS Grini Næringspark 10, 1361 Østerås, Norway				

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